

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043220.D
 Acq On : 15 Oct 2019 15:59
 Operator : JU
 Sample : K5325-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 01:17:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

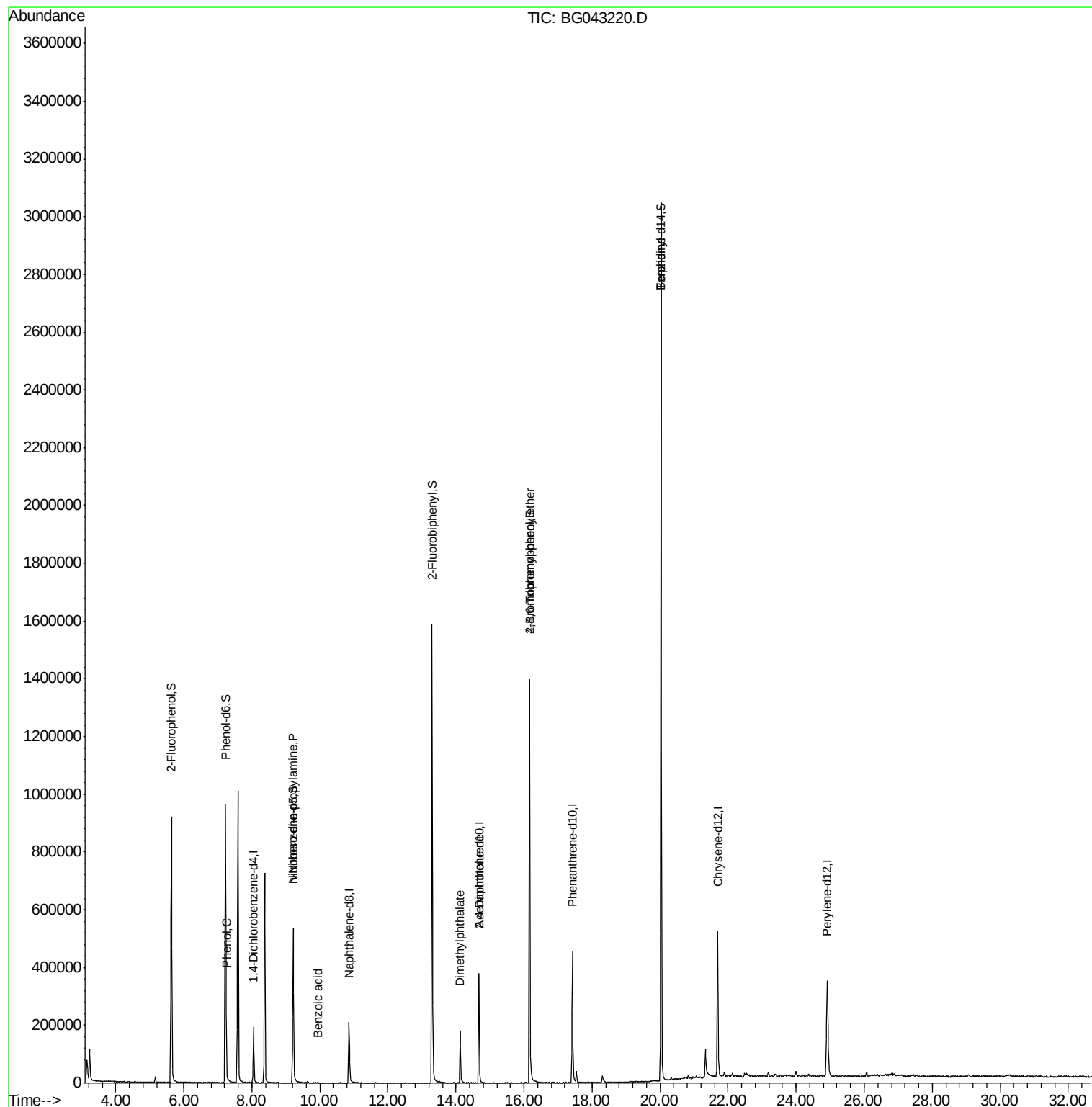
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56572	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	201320	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	155707	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	337945	20.00	ng	0.00
76) Chrysene-d12	21.69	240	351138	20.00	ng	0.00
87) Perylene-d12	24.91	264	410926	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	428485	135.17	ng	0.00
7) Phenol-d6	7.23	99	614117	134.53	ng	0.00
23) Nitrobenzene-d5	9.21	82	371327	89.65	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	349761	130.63	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	951913	88.63	ng	0.00
79) Terphenyl-d14	20.03	244	1593893	96.73	ng	0.00
Target Compounds						
10) Phenol	7.25	94	16402	3.916	ng	93
19) n-Nitroso-di-n-propylamine	9.21	70	51190	17.078	ng	# 67
32) Benzoic acid	9.94	122	82	2.843	ng	# 1
50) Dimethylphthalate	14.13	163	145323	12.456	ng	97
57) 2,4-Dinitrotoluene	14.68	165	19450	5.346	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	22437	5.290	ng	# 1
77) Benzidine	20.03	184	25049	2.849	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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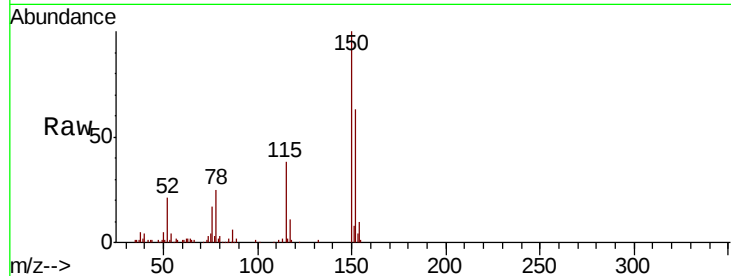


#1

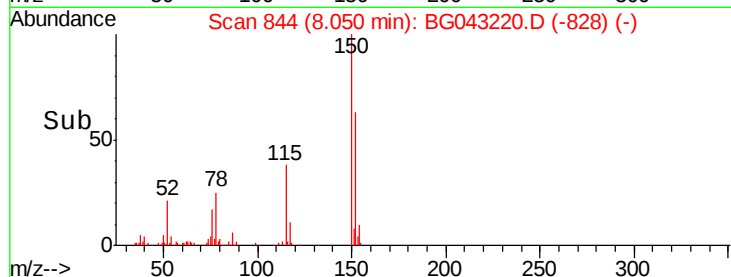
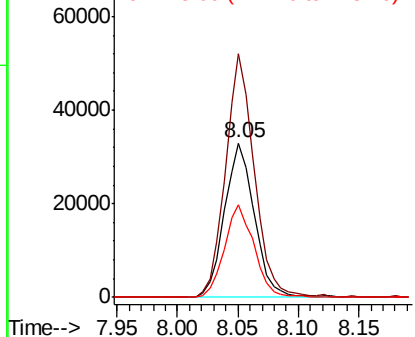
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56572
Ion Ratio Lower Upper
152 100
150 157.5 115.0 172.4
115 60.0 47.0 70.6



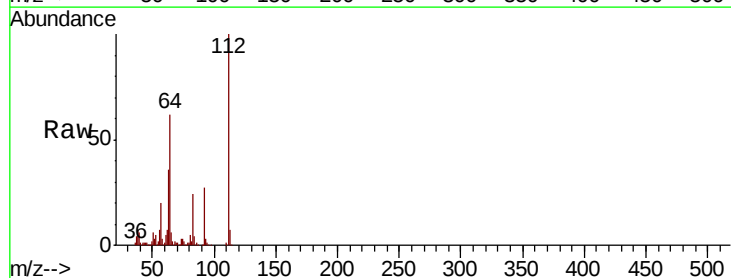
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



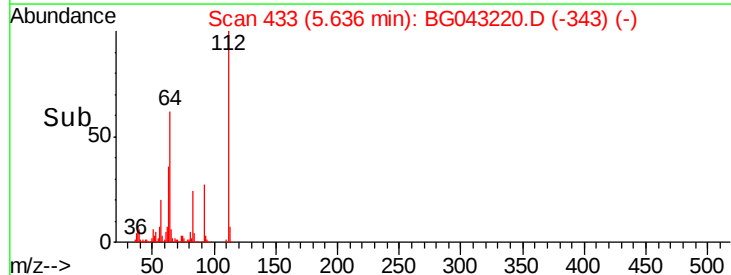
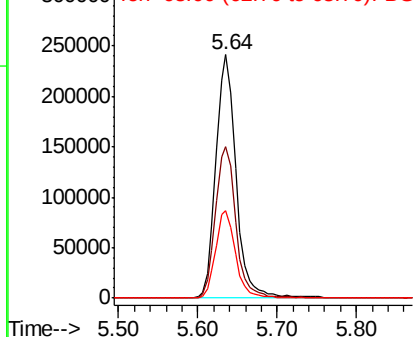
#5

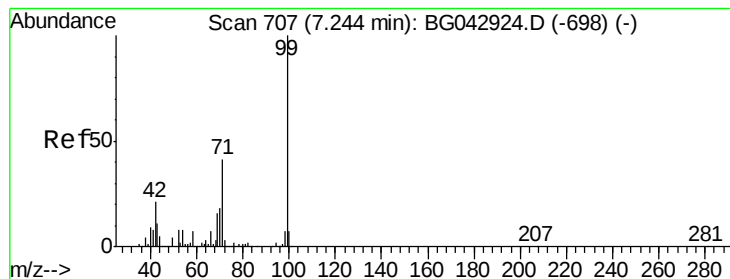
2-Fluorophenol
Concen: 135.170 ng
RT: 5.64 min Scan# 433
Delta R.T. -0.00 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Tgt Ion:112 Resp: 428485
Ion Ratio Lower Upper
112 100
64 62.4 56.6 84.8
63 35.8 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 134.529 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

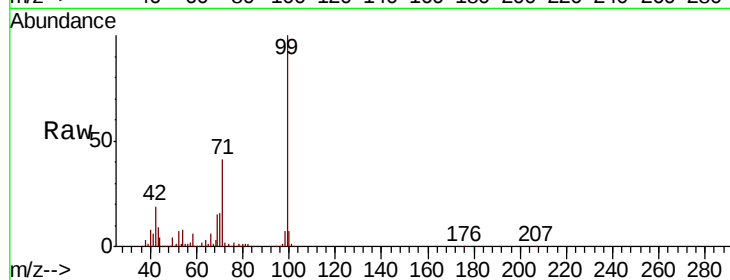
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 614117

Ion	Ratio	Lower	Upper
99	100		
42	18.6	17.2	25.8
71	40.6	33.1	49.7



Abundance

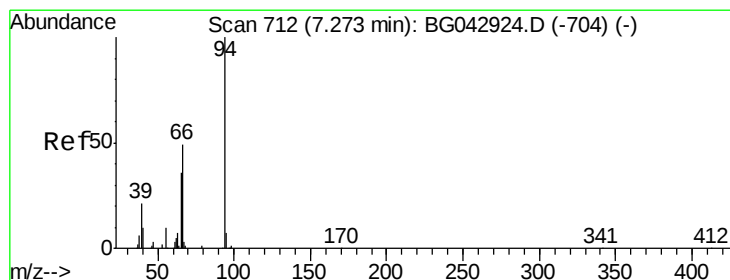
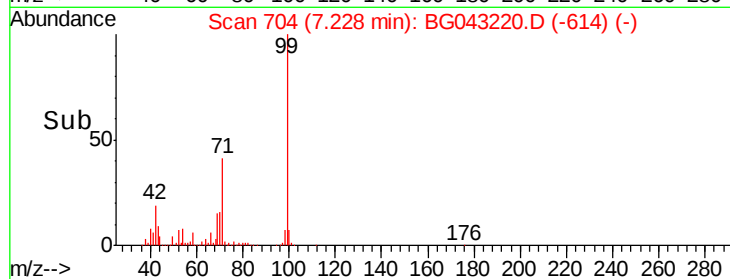
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.23

Time-->



#10

Phenol

Concen: 3.916 ng

RT: 7.25 min Scan# 708

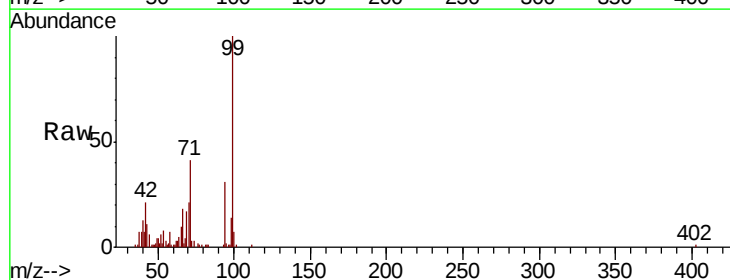
Delta R.T. -0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

Tgt Ion: 94 Resp: 16402

Ion	Ratio	Lower	Upper
94	100		
65	33.4	16.6	56.6
66	58.7	32.4	72.4



Abundance

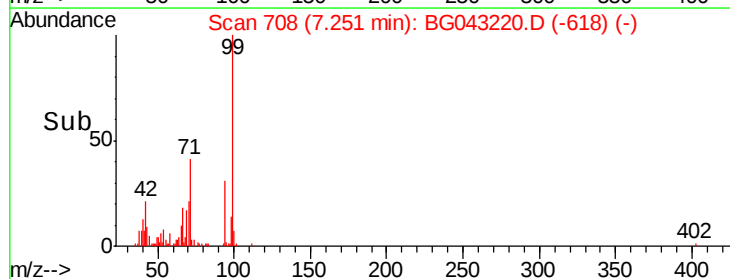
Ion 94.00 (93.70 to 94.70): BGC

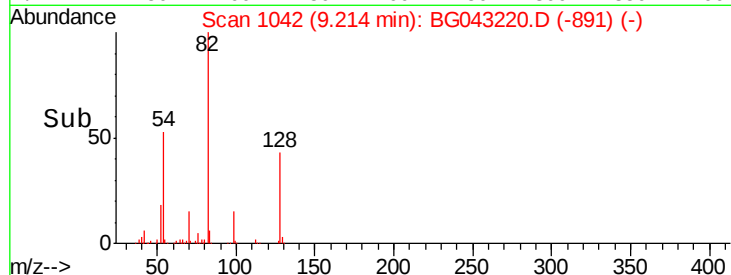
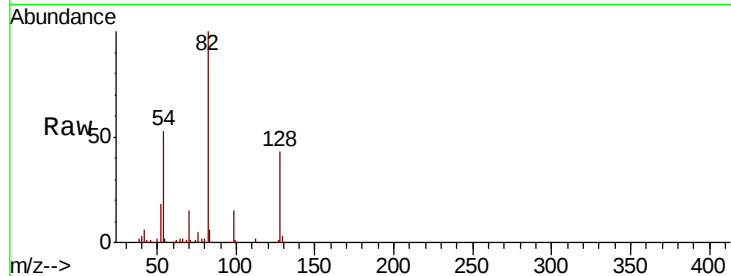
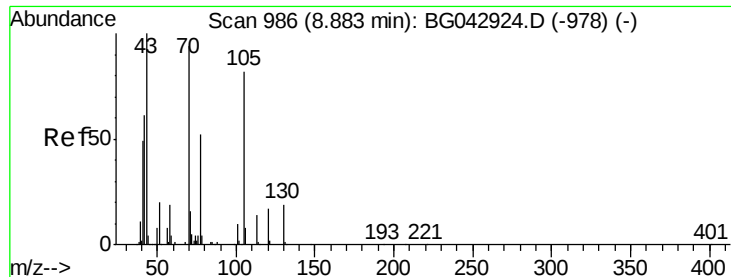
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.25

Time-->

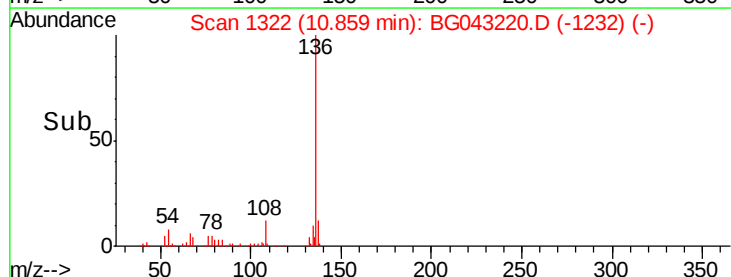
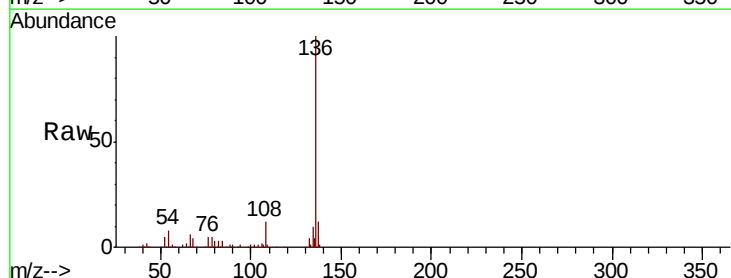
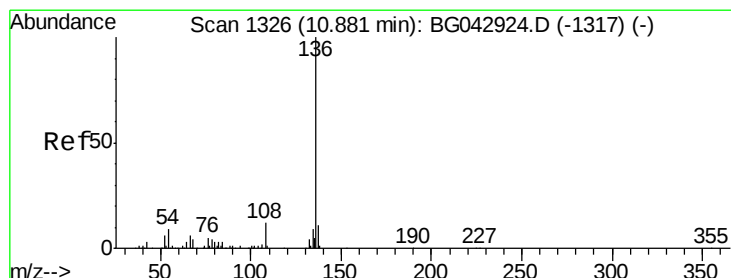
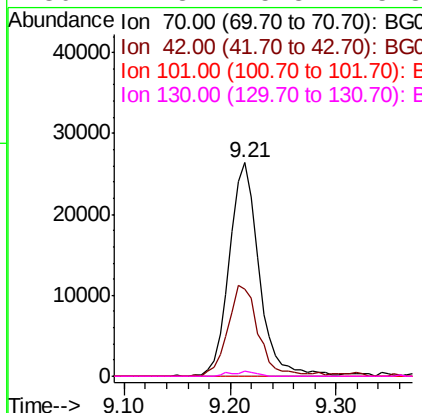




#19
n-Nitroso-di-n-propylamine
Concen: 17.078 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.36 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

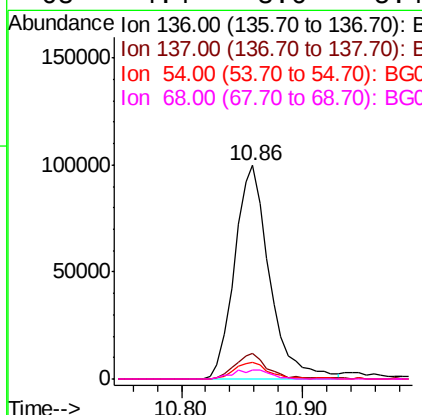
Instrument :
BNA_G
ClientSampleId :

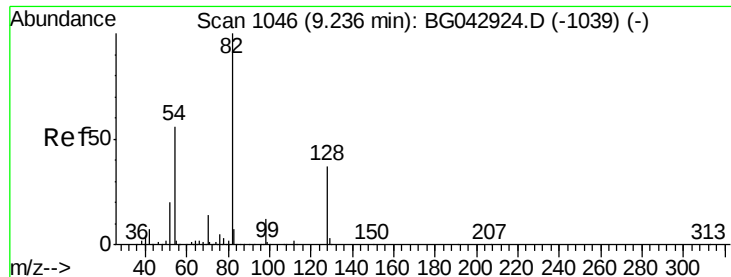
Tot Ion: 70 Resp: 51190
Ion Ratio Lower Upper
70 100
42 40.9 52.6 79.0#
101 0.0 8.7 13.1#
130 2.3 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Tgt Ion: 136 Resp: 201320
Ion Ratio Lower Upper
136 100
137 12.2 8.5 12.7
54 8.0 7.4 11.2
68 4.4 3.6 5.4





#23

Nitrobenzene-d5

Concen: 89.650 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

Instrument :

BNA_G

ClientSampled :

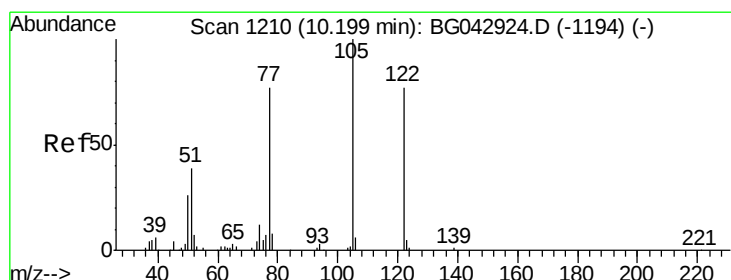
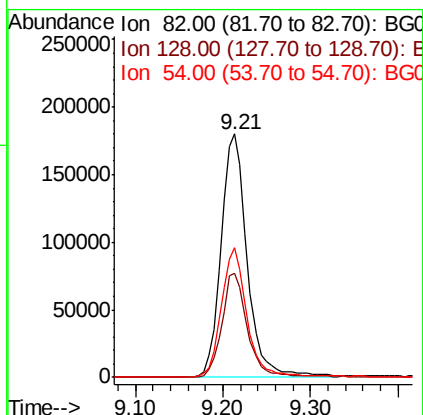
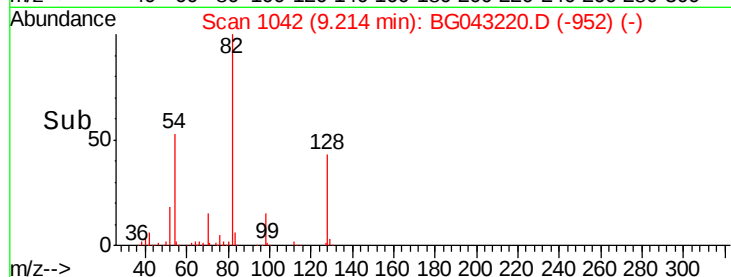
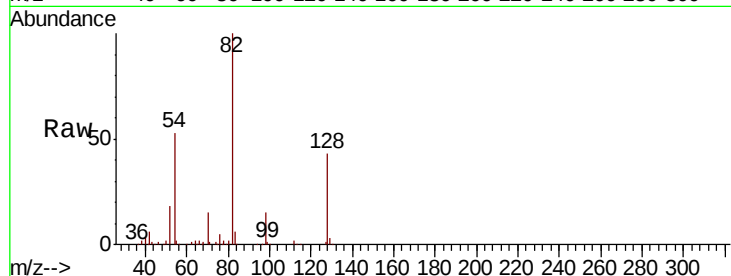
Tot Ion: 82 Resp: 371327

Ion Ratio Lower Upper

82 100

128 42.8 29.5 44.3

54 53.1 44.6 67.0



#32

Benzoic acid

Concen: 2.843 ng

RT: 9.94 min Scan# 1166

Delta R.T. -0.23 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

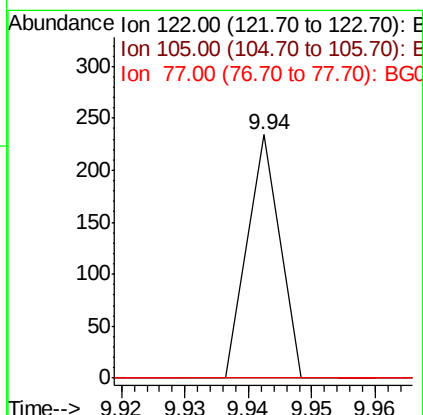
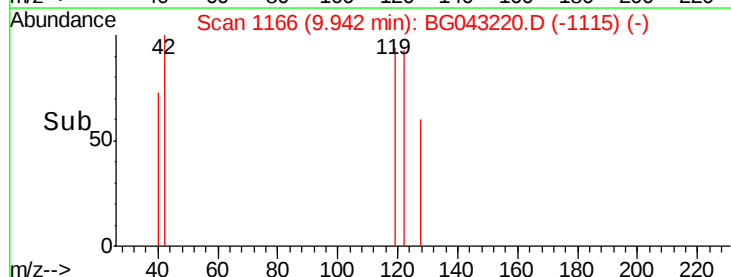
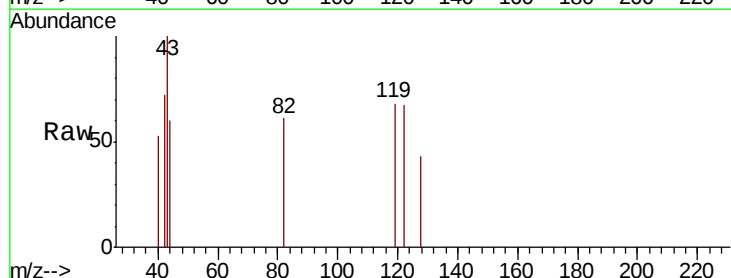
Tgt Ion: 122 Resp: 82

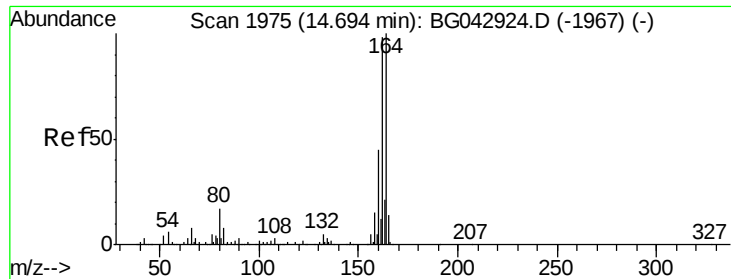
Ion Ratio Lower Upper

122 100

105 0.0 107.5 147.5#

77 0.0 79.8 119.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

Instrument :

BNA_G

ClientSampleId :

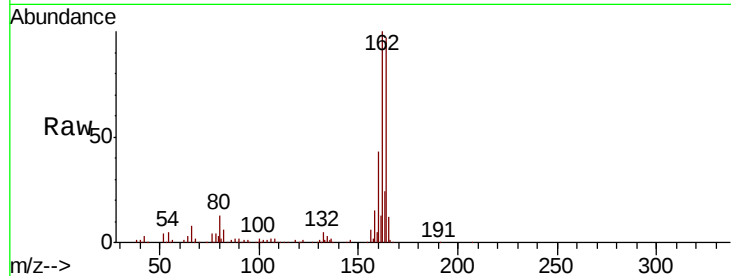
Tot Ion:164 Resp: 155707

Ion Ratio Lower Upper

164 100

162 103.2 78.5 117.7

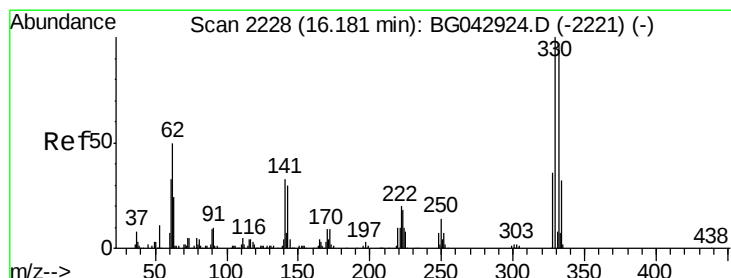
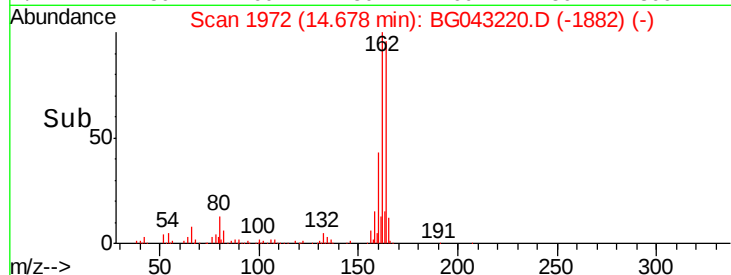
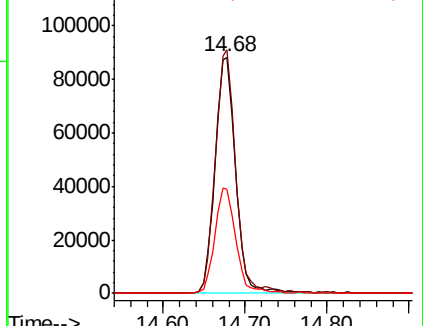
160 44.4 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 130.631 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

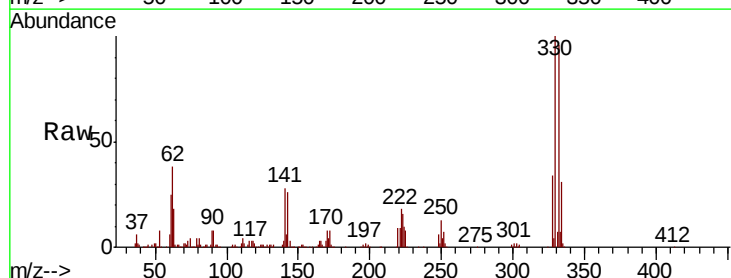
Tgt Ion:330 Resp: 349761

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.2

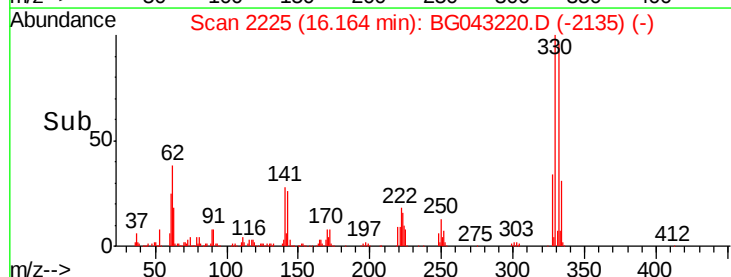
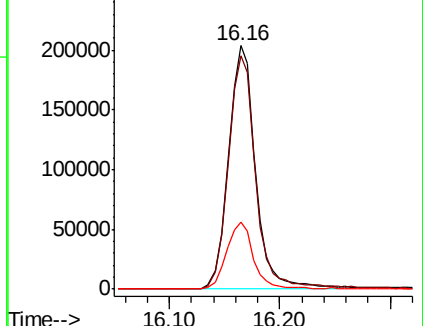
141 27.4 26.0 39.0

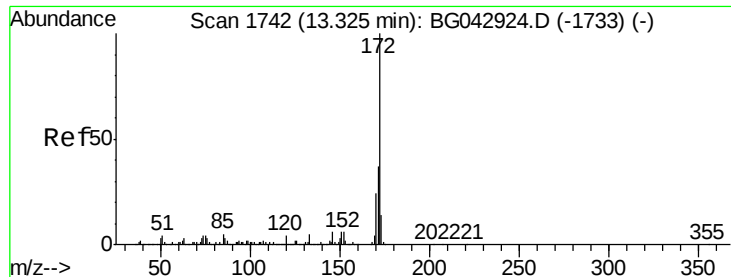


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

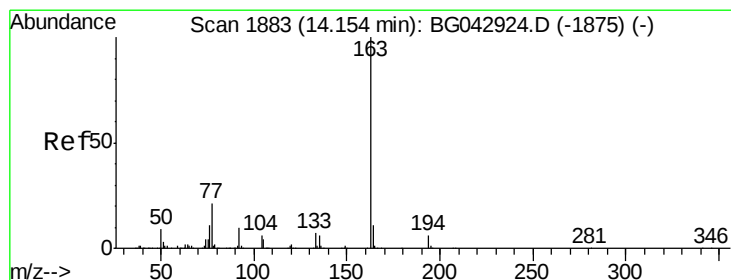
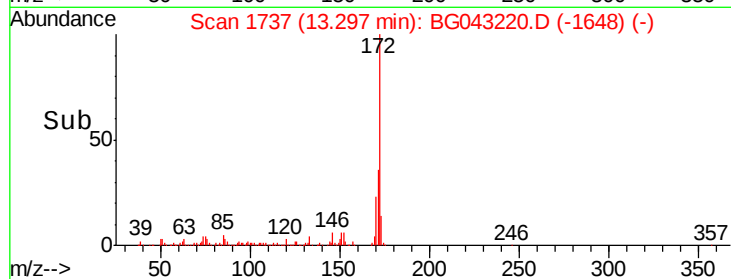
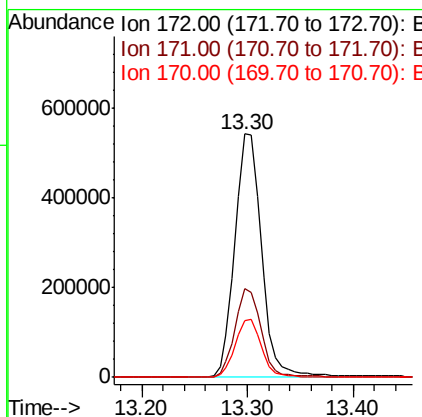
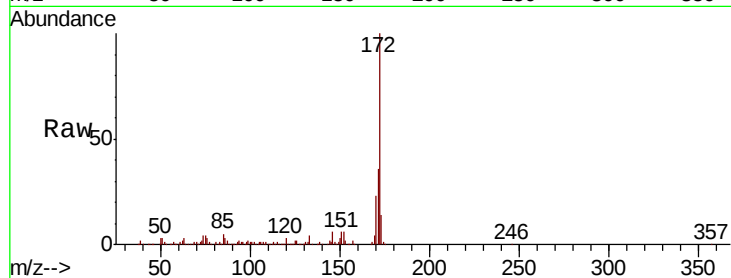




#45
2-Fluorobiphenyl
Concen: 88.627 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

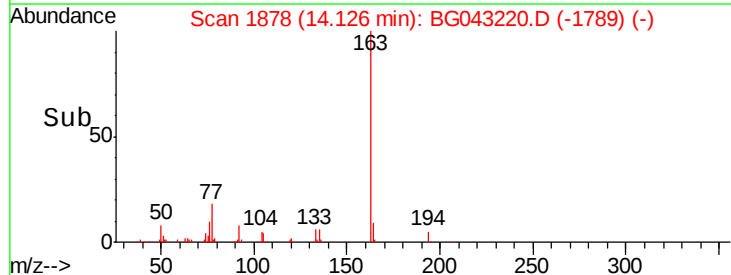
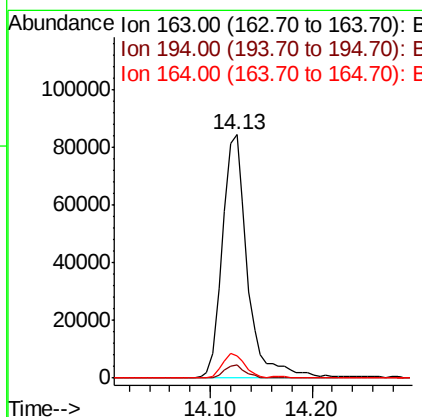
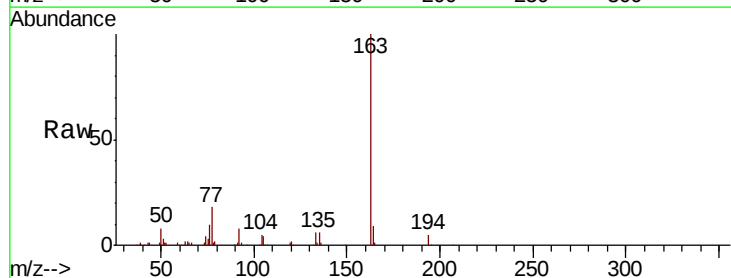
Instrument :
BNA_G
ClientSampleId :

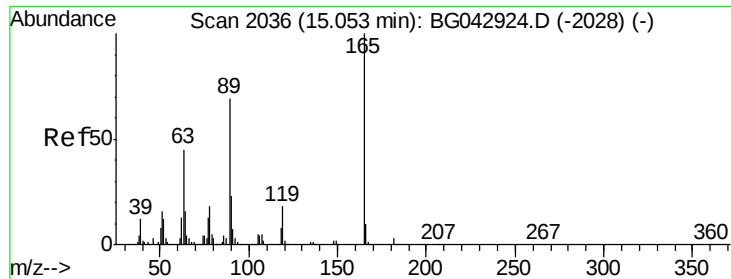
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.5	19.6	29.4



#50
Dimethylphthalate
Concen: 12.456 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.4	6.6
164	9.3	8.6	12.8

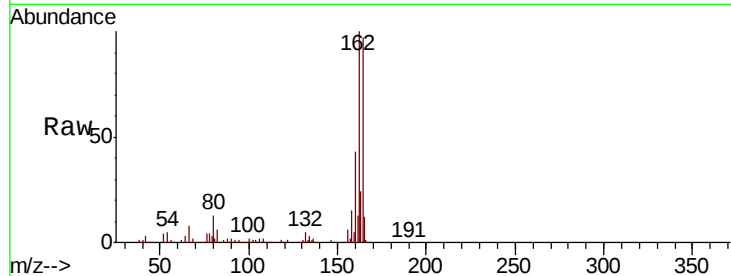




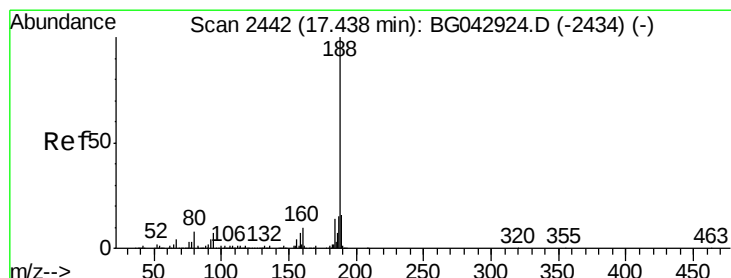
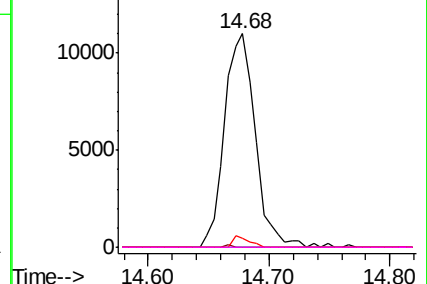
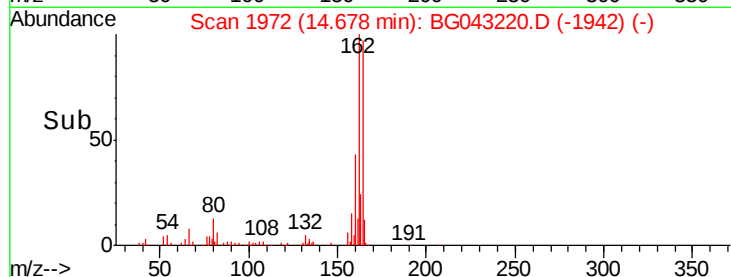
#57
 2,4-Dinitrotoluene
 Concen: 5.346 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG043220.D
 Acq: 15 Oct 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	19450
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.5 54.7#
89	4.1	55.5 83.3#
182	0.0	2.4 3.6#

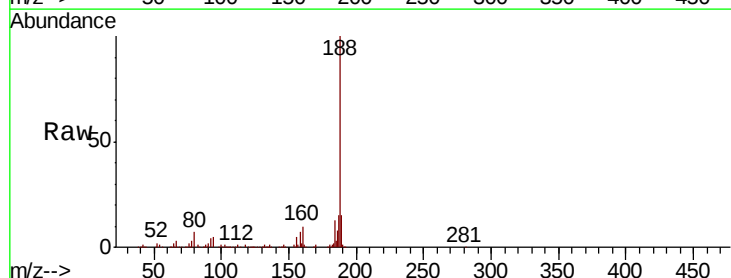


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

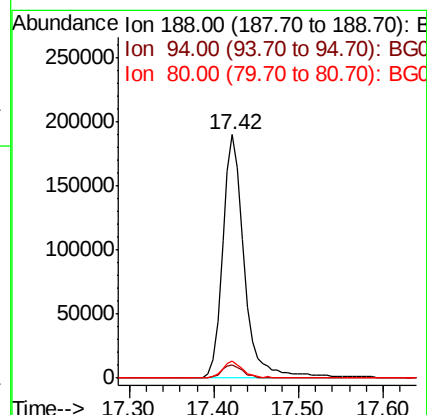
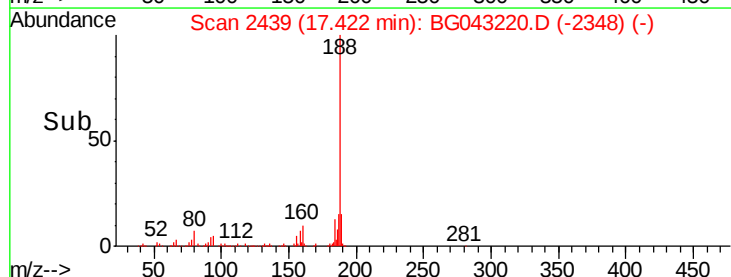


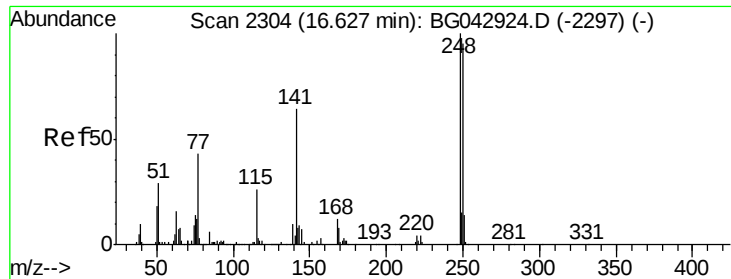
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: BG043220.D
 Acq: 15 Oct 2019 15:59

Tgt Ion:188	Resp:	337945
Ion Ratio	Lower	Upper
188	100	
94	5.3	5.7 8.5#
80	6.9	6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

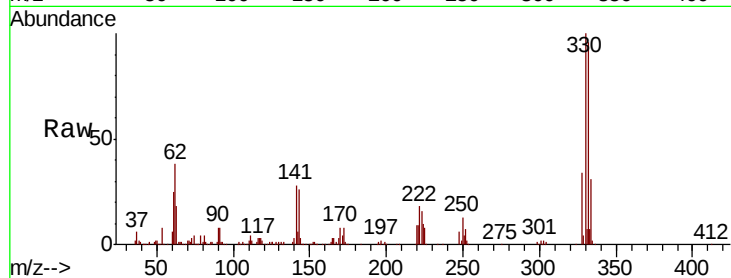




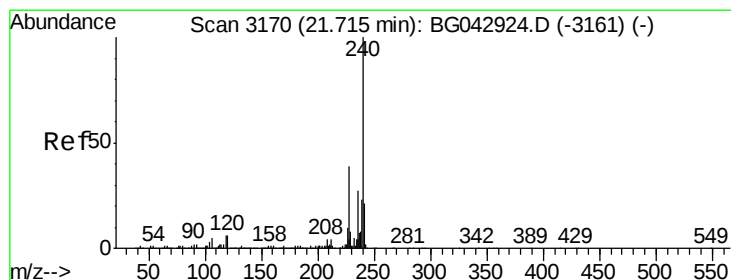
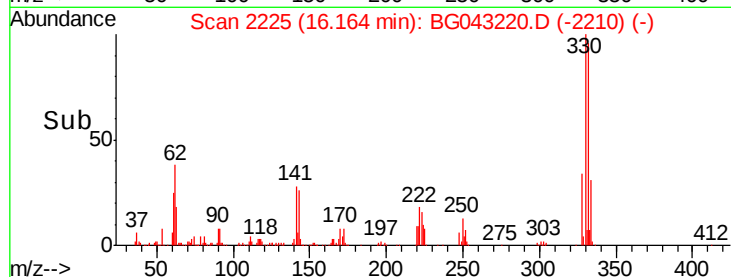
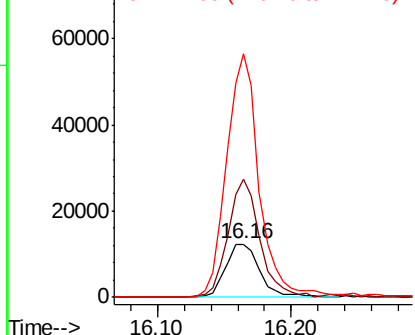
#67
4-Bromophenyl-phenylether
Concen: 5.290 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.44 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22437
Ion Ratio Lower Upper
248 100
250 220.4 75.8 113.8#
141 456.4 51.1 76.7#

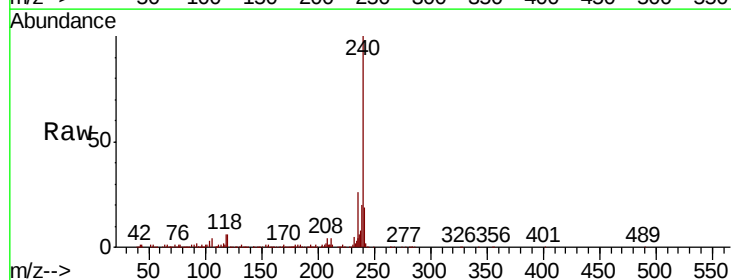


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

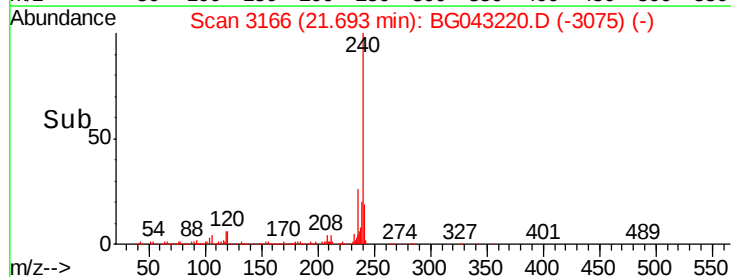
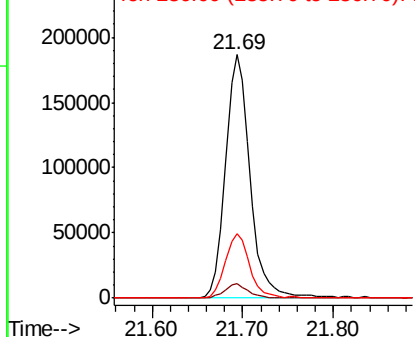


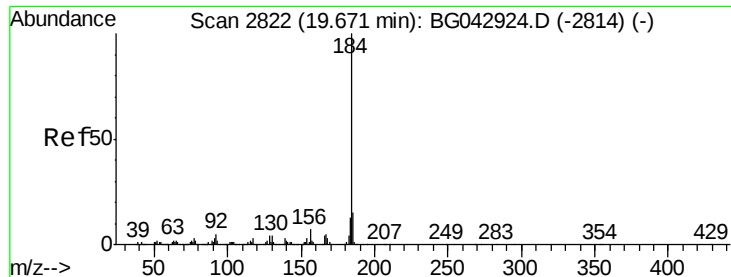
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BG043220.D
Acq: 15 Oct 2019 15:59

Tgt Ion:240 Resp: 351138
Ion Ratio Lower Upper
240 100
120 6.1 4.8 7.2
236 26.3 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.849 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.37 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

Instrument :

BNA_G

ClientSampleId :

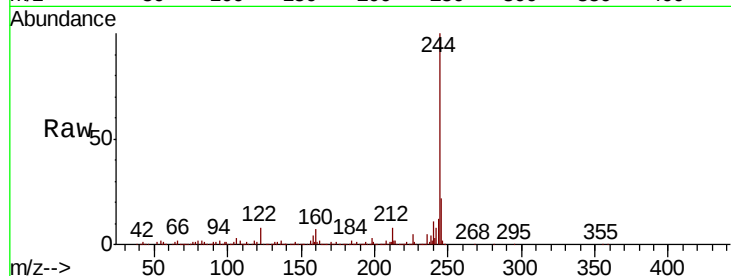
Tot Ion:184 Resp: 25049

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

183 8.8 10.1 15.1#

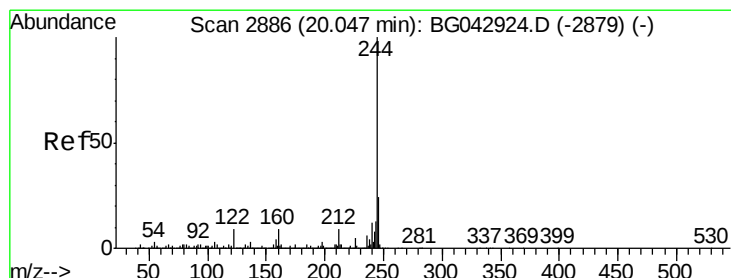
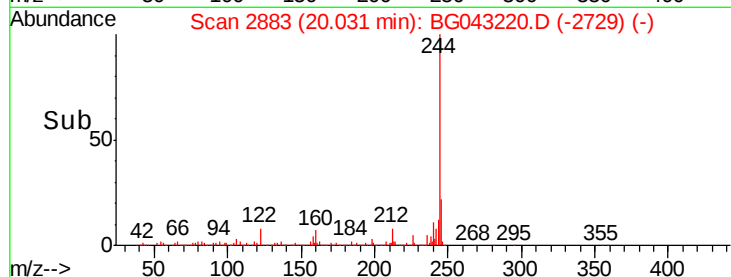
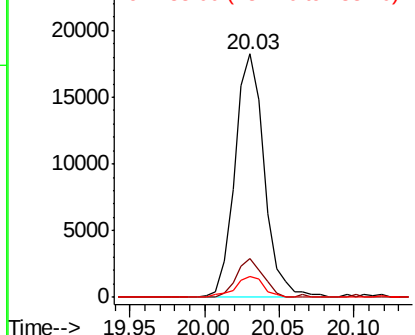


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 96.725 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG043220.D

Acq: 15 Oct 2019 15:59

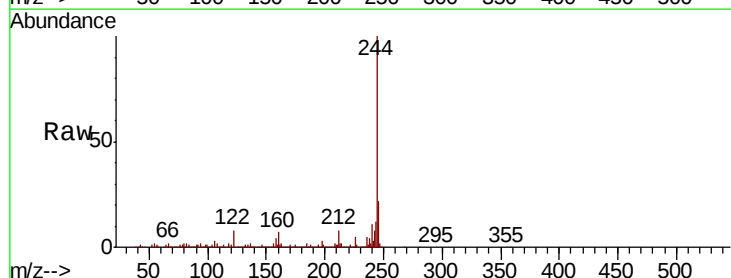
Tgt Ion:244 Resp: 1593893

Ion Ratio Lower Upper

244 100

212 7.6 7.4 11.0

122 7.6 7.0 10.4

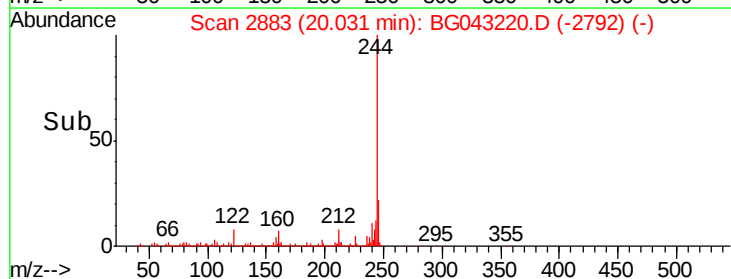
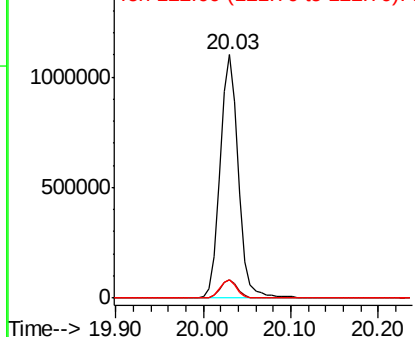


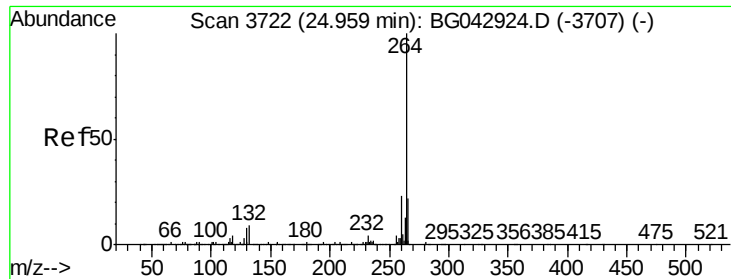
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

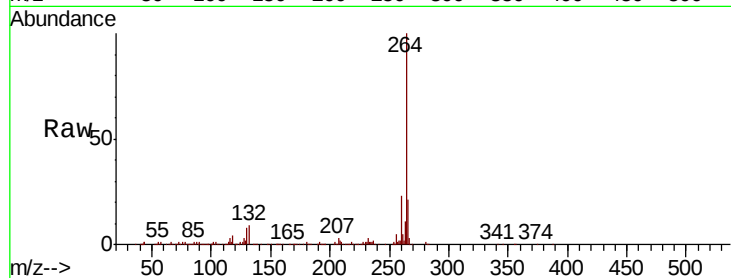




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3714
 Delta R.T. 0.00 min
 Lab File: BG043220.D
 Acq: 15 Oct 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	20.9	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

